

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

SM - LO RUSSO

**SOURCE:**

ELYSIUM QUARRY

**LOCATION:**

WRENTHAM, MA.

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	11/2	3/4	1/2	0
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	71.5	100.0	100.0	100.0
3/4"	22.9	98.1	100.0	100.0
1/2"	1.7	24.3	96.8	100.0
3/8"	1.3	3.2	27.1	98.9
#4	1.0	0.8	1.1	31.2
#8	1.0	0.7	0.9	3.1

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	91.69
1"	
3/4"	92.15
1/2"	89.51
3/8"	91.91

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	13.76
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

SM - LO RUSSO

**SOURCE:**

ELYSIUM QUARRY

**LOCATION:**

WRENTHAM, MA.

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.742	2.752	2.739	2.792
<b>Specific Gravity (S.S.D.):</b>	2.749	2.760	2.752	2.804
<b>Apparent Specific Gravity:</b>	2.762	2.774	2.776	2.825
<b>Absorption:</b>	0.27	0.29	0.49	0.42

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in****Aggregate**

AASHTO T-11

**Percentage Passing #  
200 sieve**

1.10

(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

RAWSON SAND and GRAVEL

**SOURCE:**

CHASE PIT

**LOCATION:**

PUTNAM, CT

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	1 1/2"	3/4"	1/2"	3/8"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	80.0	100.0	100.0	100.0
3/4"	17.4	94.8	100.0	100.0
1/2"	1.4	9.3	83.4	100.0
3/8"	1.2	2.1	19.4	99.5
#4	1.0	1.3	0.8	39.2
#8	0.9	1.2	0.6	2.6

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	91.31
1"	
3/4"	92.90
1/2"	96.55
3/8"	97.93

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	28.55
Run # 2	B	27.90

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

RAWSON SAND and GRAVEL

**SOURCE:**

CHASE PIT

**LOCATION:**

PUTNAM, CT

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.607	2.605	2.605	2.610
<b>Specific Gravity (S.S.D.):</b>	2.631	2.632	2.628	2.638
<b>Apparent Specific Gravity:</b>	2.671	2.677	2.667	2.685
<b>Absorption:</b>	0.92	1.03	0.90	1.08

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in****Aggregate**

AASHTO T-11

**Percentage Passing #  
200 sieve**

0.48

(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**  
**PJ KEATING**

**SOURCE:**  
**SOUTH MAIN ST. QUARRY**

**LOCATION:**  
**ACUSHNET, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	99.1
1"	100.0	100.0	100.0	61.6
3/4"	100.0	100.0	96.5	25.3
1/2"	100.0	96.6	30.8	6.3
3/8"	95.8	42.7	7.1	4.6
#4	41.0	10.0	2.0	2.8
#8	11.6	6.5	1.9	2.3

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	97.74
1"	
3/4"	98.37
1/2"	102.02
3/8"	103.75

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	23.97
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**  
**PJ KEATING**

**SOURCE:**  
**SOUTH MAIN ST. QUARRY**

**LOCATION:**  
**ACUSHNET, MA**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.787	2.793	2.829	2.786
<b>Specific Gravity (S.S.D.):</b>	2.796	2.807	2.845	2.807
<b>Apparent Specific Gravity:</b>	2.813	2.833	2.876	2.845
<b>Absorption:</b>	0.33	0.51	0.58	0.74

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

<b>2" - 1 1/2"</b>	
<b>1 1/2" - 1"</b>	0.08
<b>1" - 3/4"</b>	0.10
<b>3/4" - 1/2"</b>	0.14
<b>1/2" - 3/8"</b>	0.15
<b>3/8" - # 4</b>	0.19
<b># 4 - # 8</b>	0.27

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve                      0.72  
(based on 3/8" nominal material)**

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**AGGREGATE IND. - TAUNTON**

**SOURCE:**

**WHITTENDON QUARRY**

**LOCATION:**

**TAUNTON, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	100.0	100.0	100.0	83.9
3/4"	100.0	100.0	95.4	50.5
1/2"	100.0	89.0	18.4	7.8
3/8"	91.7	32.0	3.5	4.4
#4	8.1	3.8	1.8	3.4
#8	3.8	3.1	1.7	3.1

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	93.17
1"	
3/4"	93.61
1/2"	94.86
3/8"	93.98

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

Run # 1	B	17.70
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

AGGREGATE IND. - TAUNTON

**SOURCE:**

WHITTENDON QUARRY

**LOCATION:**

TAUNTON, MA

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.701	2.699	2.691	2.692
<b>Specific Gravity (S.S.D.):</b>	2.716	2.716	2.706	2.712
<b>Apparent Specific Gravity:</b>	2.741	2.745	2.733	2.746
<b>Absorption:</b>	0.54	0.63	0.58	0.73

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.05
1" - 3/4"	0.06
3/4" - 1/2"	0.06
1/2" - 3/8"	0.07
3/8" - # 4	0.12
# 4 - # 8	0.44

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11****Percentage Passing #  
200 sieve**

2.90

(based on 3/8" nominal material)



## COARSE AGGREGATE RESULTS - 2007

**VENDOR:****BROX INDUSTRIES - HUDSON****SOURCE:****HUDSON QUARRY****LOCATION:****HUDSON, NH****Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	92.9
1"	100.0	100.0	100.0	47.1
3/4"	100.0	100.0	98.5	20.6
1/2"	100.0	97.4	44.5	11.5
3/8"	99.5	53.9	15.7	8.2
#4	34.3	5.7	5.8	4.2
#8	4.9	3.3	3.5	2.8

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	96.40
1"	
3/4"	92.45
1/2"	90.31
3/8"	89.63

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	44.44
Run # 2	B	44.46

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:****BROX INDUSTRIES - HUDSON****SOURCE:****HUDSON QUARRY****LOCATION:****HUDSON, NH****Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.607	2.568	2.578	2.557
<b>Specific Gravity (S.S.D.):</b>	2.621	2.597	2.603	2.593
<b>Apparent Specific Gravity:</b>	2.645	2.645	2.644	2.654
<b>Absorption:</b>	0.55	1.13	0.97	1.43

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.05
1" - 3/4"	0.06
3/4" - 1/2"	0.11
1/2" - 3/8"	0.11
3/8" - # 4	0.13
# 4 - # 8	0.27

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11****Percentage Passing #  
200 sieve**

0.59

**(based on 3/8" nominal material)**

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**BROX INDUSTRIES - DRACUT**

**SOURCE:**

**DRACUT QUARRY**

**LOCATION:**

**DRACUT, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	100.0	100.0	100.0	71.9
3/4"	100.0	100.0	93.0	24.1
1/2"	100.0	92.3	22.1	1.7
3/8"	98.5	33.6	4.8	1.1
#4	29.5	2.2	1.9	1.0
#8	2.9	2.0	1.7	0.9

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	99.94
1"	
3/4"	98.87
1/2"	100.71
3/8"	98.42

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

Run # 1	B	15.59
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:****BROX INDUSTRIES - DRACUT****SOURCE:****DRACUT QUARRY****LOCATION:****DRACUT, MA****Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.894	2.841	2.851	2.882
<b>Specific Gravity (S.S.D.):</b>	2.901	2.852	2.867	2.904
<b>Apparent Specific Gravity:</b>	2.914	2.872	2.895	2.947
<b>Absorption:</b>	0.24	0.38	0.53	0.76

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.10
1" - 3/4"	0.12
3/4" - 1/2"	0.19
1/2" - 3/8"	0.24
3/8" - # 4	0.36
# 4 - # 8	0.53

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11****Percentage Passing #  
200 sieve**

0.93

**(based on 3/8" nominal material)**

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**J.S. LANE & SON - WESTFIELD**

**SOURCE:**

**WESTFIELD QUARRY**

**LOCATION:**

**WESTFIELD, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	11/2	3/4	1/2	3/8
2"	100.0	100.0	100.0	100.0
1 1/2"	94.7	100.0	100.0	100.0
1"	62.4	100.0	100.0	100.0
3/4"	26.0	94.4	100.0	100.0
1/2"	3.7	19.1	83.3	100.0
3/8"	1.4	4.2	11.6	94.7
#4	0.9	1.2	0.7	28.3
#8	0.9	1.0	0.6	1.7

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	101.18
1"	
3/4"	98.99
1/2"	106.18
3/8"	99.61

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	10.86
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

J.S. LANE & SON - WESTFIELD

**SOURCE:**

WESTFIELD QUARRY

**LOCATION:**

WESTFIELD, MA

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.881	2.906	2.937	2.917
<b>Specific Gravity (S.S.D.):</b>	2.892	2.919	2.949	2.937
<b>Apparent Specific Gravity:</b>	2.915	2.946	2.975	2.975
<b>Absorption:</b>	0.41	0.47	0.44	0.66

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in****Aggregate**

AASHTO T-11

**Percentage Passing #  
200 sieve**

0.67

(based on 3/8" nominal material)

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**MORSE SAND and GRAVEL**

**SOURCE:**

**ATTLEBORO PIT**

**LOCATION:**

**ATTLEBORO, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	3/4"	1 1/2"
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	59.8
3/4"	100.0	90.1	9.5
1/2"	99.6	29.0	2.4
3/8"	85.6	6.8	1.6
#4	23.4	2.2	1.3
#8	6.3	1.9	1.1

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	97.12
1"	
3/4"	94.80
1/2"	
3/8"	96.84

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	15.71
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

MORSE SAND and GRAVEL

**SOURCE:**

ATTLEBORO PIT

**LOCATION:**

ATTLEBORO, MA

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.735	2.730	2.713
<b>Specific Gravity (S.S.D.):</b>	2.744	2.746	2.737
<b>Apparent Specific Gravity:</b>	2.761	2.775	2.780
<b>Absorption:</b>	0.34	0.60	0.89

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.04
1" - 3/4"	0.05
3/4" - 1/2"	0.08
1/2" - 3/8"	1.08
3/8" - # 4	0.13
# 4 - # 8	0.52

**Amount of Material Finer  
than # 200 Sieve in****Aggregate**

AASHTO T-11

**Percentage Passing #  
200 sieve**

0.99

(based on 3/8" nominal material)



# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**  
**CHERENZIA**

**SOURCE:**  
**OLD HOPKINTON RD. QUARRY**

**LOCATION:**  
**WESTERLY, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	100.0	100.0	100.0	60.7
3/4"	100.0	100.0	95.8	11.0
1/2"	100.0	84.7	19.8	1.7
3/8"	99.7	35.1	5.2	1.4
#4	51.8	3.0	1.8	1.2
#8	5.4	1.9	1.6	1.2

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	91.67
1"	
3/4"	95.60
1/2"	89.33
3/8"	89.04

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	33.72
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**  
**CHERENZIA**

**SOURCE:**  
**OLD HOPKINTON RD. QUARRY**

**LOCATION:**  
**WESTERLY, RI**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.629	2.656	2.637	2.605
<b>Specific Gravity (S.S.D.):</b>	2.638	2.670	2.650	2.625
<b>Apparent Specific Gravity:</b>	2.653	2.694	2.671	2.658
<b>Absorption:</b>	0.34	0.54	0.48	0.75

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

<b>2" - 1 1/2"</b>	
<b>1 1/2" - 1"</b>	0.26
<b>1" - 3/4"</b>	0.07
<b>3/4" - 1/2"</b>	0.69
<b>1/2" - 3/8"</b>	0.23
<b>3/8" - # 4</b>	0.59
<b># 4 - # 8</b>	0.92

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve                      0.36  
(based on 3/8" nominal material)**

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**RICHMOND SAND and  
GRAVEL**

**SOURCE:**

**STILSON ROAD PIT**

**LOCATION:**

**RICHMOND, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	100.0	100.0	100.0	86.4
3/4"	100.0	100.0	99.9	49.9
1/2"	100.0	99.9	39.7	11.5
3/8"	99.3	68.7	7.1	8.1
#4	46.4	7.6	3.1	5.4
#8	6.5	4.7	2.9	4.6

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	99.70
1"	
3/4"	94.18
1/2"	93.37
3/8"	89.83

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	55.99
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**RICHMOND SAND and  
GRAVEL**

**SOURCE:**

**STILSON ROAD PIT**

**LOCATION:**

**RICHMOND, RI**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.627	2.620	2.614	2.599
<b>Specific Gravity (S.S.D.):</b>	2.639	2.634	2.632	2.622
<b>Apparent Specific Gravity:</b>	2.660	2.656	2.661	2.660
<b>Absorption:</b>	0.48	0.52	0.67	0.87

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

<b>2" - 1 1/2"</b>	
<b>1 1/2" - 1"</b>	0.03
<b>1" - 3/4"</b>	0.06
<b>3/4" - 1/2"</b>	0.08
<b>1/2" - 3/8"</b>	0.07
<b>3/8" - # 4</b>	0.12
<b># 4 - # 8</b>	0.50

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11****Percentage Passing #  
200 sieve**

0.48

(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**SOUTH COUNTY SAND and  
GRAVEL**

**SOURCE:**

**CHARLESTON PIT**

**LOCATION:**

**CHARLESTON, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	100.0	100.0	100.0	50.1
3/4"	100.0	100.0	84.5	7.8
1/2"	100.0	81.1	18.3	2.7
3/8"	98.2	20.3	7.2	2.2
#4	48.5	3.1	2.9	1.9
#8	21.3	2.4	2.4	1.8

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	95.67
1"	
3/4"	93.85
1/2"	92.45
3/8"	100.79

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	47.51
Run # 2	B	50.18

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**SOUTH COUNTY SAND and  
GRAVEL**

**SOURCE:**

**CHARLESTON PIT**

**LOCATION:**

**CHARLESTON, RI**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.587	2.584	2.575	2.569
<b>Specific Gravity (S.S.D.):</b>	2.604	2.605	2.598	2.595
<b>Apparent Specific Gravity:</b>	2.631	2.639	2.636	2.639
<b>Absorption:</b>	0.65	0.80	0.90	1.03

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

<b>2" - 1 1/2"</b>	
<b>1 1/2" - 1"</b>	0.01
<b>1" - 3/4"</b>	0.01
<b>3/4" - 1/2"</b>	0.39
<b>1/2" - 3/8"</b>	0.21
<b>3/8" - # 4</b>	0.12
<b># 4 - # 8</b>	0.43

**Amount of Material Finer  
than # 200 Sieve in**

**Aggregate**

**AASHTO T-11**

**Percentage Passing #  
200 sieve**

0.30

**(based on 3/8" nominal material)**

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**TILCON - NEW BRITAIN**

**SOURCE:**

**NEW BRITAIN QUARRY**

**LOCATION:**

**PLAINVILLE, CT**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	11/4	3/4	1/2	3/8
2"	100.0	100.0	100.0	100.0
1 1/2"	99.7	100.0	100.0	100.0
1"	29.8	100.0	100.0	100.0
3/4"	8.3	95.8	100.0	100.0
1/2"	2.5	20.3	87.4	99.9
3/8"	1.8	4.7	24.2	95.2
#4	0.9	1.6	0.9	32.3
#8	0.7	1.0	0.7	9.9

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	104.06
1"	
3/4"	102.17
1/2"	98.42
3/8"	105.03

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

Run # 1	B	10.56
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

TILCON - NEW BRITAIN

**SOURCE:**

NEW BRITAIN QUARRY

**LOCATION:**

PLAINVILLE, CT

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.921	2.917	2.909	2.912
<b>Specific Gravity (S.S.D.):</b>	2.932	2.933	2.929	2.940
<b>Apparent Specific Gravity:</b>	2.952	2.966	2.968	2.995
<b>Absorption:</b>	0.36	0.57	0.68	0.94

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in****Aggregate**

AASHTO T-11

**Percentage Passing #  
200 sieve**

0.30

(based on 3/8" nominal material)



# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**WESTPORT SAND and STONE**

**SOURCE:**

**R.C. MELVILLE PIT**

**LOCATION:**

**WESTPORT, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	3/4"	1 1/2"
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	100.0	100.0	74.7
3/4"	100.0	93.5	9.8
1/2"	100.0	30.6	1.3
3/8"	89.5	6.3	0.9
#4	11.1	1.6	0.7
#8	2.4	1.2	0.6

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	94.13
1"	
3/4"	92.60
1/2"	
3/8"	91.12

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	37.98
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

WESTPORT SAND and STONE

**SOURCE:**

R.C. MELVILLE PIT

**LOCATION:**

WESTPORT, MA

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.607	2.603	2.601
<b>Specific Gravity (S.S.D.):</b>	2.620	2.622	2.622
<b>Apparent Specific Gravity:</b>	2.641	2.651	2.657
<b>Absorption:</b>	0.49	0.70	0.82

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.14
1" - 3/4"	0.04
3/4" - 1/2"	0.12
1/2" - 3/8"	0.08
3/8" - # 4	0.14
# 4 - # 8	0.84

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve** 0.24  
(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

P.A. LANDERS

**SOURCE:**

PLYMOUTH QUARRY

**LOCATION:**

HANOVER, MA

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	1 1/2"	3/4"	3/8"
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0
1"	56.8	100.0	100.0
3/4"	6.6	91.0	99.4
1/2"	1.1	24.0	85.2
3/8"	0.9	4.9	54.0
#4	0.8	1.4	3.6
#8	0.7	1.2	2.1

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	95.31
1"	
3/4"	95.07
1/2"	
3/8"	97.63

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE****LA RESULT**

Run # 1	B	25.44
Run # 2	b	25.82

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

P.A. LANDERS

**SOURCE:**

PLYMOUTH QUARRY

**LOCATION:**

HANOVER, MA

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.611	2.615	2.605
<b>Specific Gravity (S.S.D.):</b>	2.627	2.635	2.628
<b>Apparent Specific Gravity:</b>	2.654	2.668	2.667
<b>Absorption:</b>	0.62	0.75	0.89

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11****Percentage Passing #  
200 sieve**

0.24

(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**G. LOPES**

**SOURCE:**

**MIDDLEBORO PIT**

**LOCATION:**

**MIDDLEBORO, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	3/4"	1 1/2"
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	94.8
1"	100.0	99.9	18.0
3/4"	100.0	75.5	2.2
1/2"	98.3	8.4	1.2
3/8"	86.5	2.2	1.1
#4	24.6	1.3	1.0
#8	3.2	1.1	1.0

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	90.21
1"	
3/4"	92.81
1/2"	
3/8"	93.88

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

Run # 1	B	23.93
Run # 2	B	24.11

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**  
**G. LOPES**

**SOURCE:**  
**MIDDLEBORO PIT**

**LOCATION:**  
**MIDDLEBORO, MA**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.673	2.693	2.659
<b>Specific Gravity (S.S.D.):</b>	2.687	2.698	2.688
<b>Apparent Specific Gravity:</b>	2.711	2.707	2.739
<b>Absorption:</b>	0.53	0.19	1.10

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

<b>2" - 1 1/2"</b>	
<b>1 1/2" - 1"</b>	0.03
<b>1" - 3/4"</b>	0.01
<b>3/4" - 1/2"</b>	0.05
<b>1/2" - 3/8"</b>	0.07
<b>3/8" - # 4</b>	0.15
<b># 4 - # 8</b>	0.30

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve                      0.26**  
**(based on 3/8" nominal material)**

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**MATERIALS SAND and STONE**

**SOURCE:**

**POUND HILL ROAD QUARRY**

**LOCATION:**

**N. SMITHFIELD**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	86.5	100.0
1/2"	21.0	100.0
3/8"	4.2	91.5
#4	1.1	26.2
#8	0.9	6.5

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	92.30
1/2"	
3/8"	93.09

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	28.85
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**MATERIALS SAND and STONE**

**SOURCE:**

**POUND HILL ROAD QUARRY**

**LOCATION:**

**N. SMITHFIELD**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.647	2.623
<b>Specific Gravity (S.S.D.):</b>	2.660	2.641
<b>Apparent Specific Gravity:</b>	2.681	2.672
<b>Absorption:</b>	0.48	0.71

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in**

**Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve**

**(based on 3/8" nominal material)**



## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

WILLIAM E. DAILEY, INC.

**SOURCE:**

SHAFTESBURY, VT

**LOCATION:**

SHAFTESBURY, VT

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	98.1
1"	100.0	100.0	100.0	66.5
3/4"	100.0	100.0	98.4	14.1
1/2"	100.0	97.2	64.7	2.0
3/8"	98.3	53.3	37.7	1.4
#4	33.1	4.6	5.8	1.0
#8	7.6	2.4	2.5	0.9

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	98.98
1"	
3/4"	102.08
1/2"	98.10
3/8"	104.54

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	27.06
Run # 2	B	27.42

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

WILLIAM E. DAILEY, INC.

**SOURCE:**

SHAFTESBURY, VT

**LOCATION:**

SHAFTESBURY, VT

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.728	2.690	2.719	2.726
<b>Specific Gravity (S.S.D.):</b>	2.738	2.709	2.736	2.748
<b>Apparent Specific Gravity:</b>	2.756	2.743	2.767	2.788
<b>Absorption:</b>	0.38	0.71	0.65	0.82

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.01
1" - 3/4"	0.04
3/4" - 1/2"	0.06
1/2" - 3/8"	0.08
3/8" - # 4	0.13
# 4 - # 8	0.73

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve 0.57**  
(based on 3/8" nominal material)

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**CHERENZIA-WHITE ROCK**

**SOURCE:**

**WHITE ROCK ROAD QUARRY**

**LOCATION:**

**WESTERLY, RI**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	3/4"	1 1/2"
2"	100.0	100.0	100.0
1 1/2"	100.0	100.0	93.3
1"	100.0	99.6	44.1
3/4"	100.0	33.6	9.1
1/2"	99.9	3.1	2.6
3/8"	96.8	2.1	2.1
#4	26.8	1.7	1.7
#8	6.8	1.6	1.6

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	93.31
1"	
3/4"	93.91
1/2"	
3/8"	91.02

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

Run # 1	B	48.59
Run # 2	B	47.98

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

CHERENZIA-WHITE ROCK

**SOURCE:**

WHITE ROCK ROAD QUARRY

**LOCATION:**

WESTERLY, RI

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.609	2.606	2.596
<b>Specific Gravity (S.S.D.):</b>	2.625	2.623	2.623
<b>Apparent Specific Gravity:</b>	2.653	2.650	2.669
<b>Absorption:</b>	0.64	0.64	1.05

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.01
1" - 3/4"	0.01
3/4" - 1/2"	1.53
1/2" - 3/8"	0.12
3/8" - # 4	0.48
# 4 - # 8	0.86

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve** 0.22  
(based on 3/8" nominal material)

# COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**KIMBALL SAND AND STONE**

**SOURCE:**

**ELM STREET QUARRY**

**LOCATION:**

**BLACKSTONE, MA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

% Passing	3/8"	1/2"	3/4"	1 1/2"
2"	100.0	100.0	100.0	100.0
1 1/2"	100.0	100.0	100.0	100.0
1"	100.0	100.0	100.0	50.1
3/4"	100.0	100.0	98.3	5.3
1/2"	100.0	91.7	34.1	1.3
3/8"	90.3	39.7	7.4	1.3
#4	5.0	2.5	1.7	1.1
#8	1.8	1.8	1.4	1.0

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	91.97
1"	
3/4"	92.10
1/2"	92.42
3/8"	88.75

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE      LA RESULT**

Run # 1	B	36.81
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

KIMBALL SAND AND STONE

**SOURCE:**

ELM STREET QUARRY

**LOCATION:**

BLACKSTONE, MA

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.623	2.619	2.631	2.614
<b>Specific Gravity (S.S.D.):</b>	2.635	2.632	2.645	2.632
<b>Apparent Specific Gravity:</b>	2.655	2.654	2.667	2.663
<b>Absorption:</b>	0.46	0.51	0.50	0.70

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:****% LOSS**

2" - 1 1/2"	
1 1/2" - 1"	0.01
1" - 3/4"	0.01
3/4" - 1/2"	0.05
1/2" - 3/8"	0.05
3/8" - # 4	0.07
# 4 - # 8	0.52

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11****Percentage Passing #  
200 sieve**

0.31

(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**DYRE**

**SOURCE:**

**DYRE QUARRY**

**LOCATION:**

**BIRDSBORO, PA**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

<b>% Passing</b>	<b>3/4</b>	<b>3/8</b>
<b>2"</b>	100.0	100.0
<b>1 1/2"</b>	100.0	100.0
<b>1"</b>	100.0	100.0
<b>3/4"</b>	95.0	100.0
<b>1/2"</b>	68.2	99.9
<b>3/8"</b>	40.9	91.2
<b>#4</b>	6.0	14.6
<b>#8</b>	2.2	1.9

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

<b>1 1/2"</b>	
<b>1"</b>	
<b>3/4"</b>	107.79
<b>1/2"</b>	
<b>3/8"</b>	100.30

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

<b>Run # 1</b>	B	14.75
<b>Run # 2</b>	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**DYRE**

**SOURCE:**

**DYRE QUARRY**

**LOCATION:**

**BIRDSBORO, PA**

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.972	2.936
<b>Specific Gravity (S.S.D.):</b>	2.985	2.957
<b>Apparent Specific Gravity:</b>	3.009	3.001
<b>Absorption:</b>	0.41	0.74

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve**

**(based on 3/8" nominal material)**



## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

**PCM**

**SOURCE:**

**St. Cyrille**

**LOCATION:**

**Canada**

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27**

**Nominal Aggregate Size**

<b>% Passing</b>	<b>3/4</b>
<b>2"</b>	100.0
<b>1 1/2"</b>	100.0
<b>1"</b>	100.0
<b>3/4"</b>	100.0
<b>1/2"</b>	82.5
<b>3/8"</b>	48.6
<b>#4</b>	3.2
<b>#8</b>	1.4

**Unit Weight and Void  
in Aggregate AASHTO T-19**

**UNIT WEIGHT  
(lbs./cu. ft.)**

<b>1 1/2"</b>	
<b>1"</b>	
<b>3/4"</b>	99.91
<b>1/2"</b>	
<b>3/8"</b>	

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96**

**LA TYPE**

**LA RESULT**

<b>Run # 1</b>	B	12.78
<b>Run # 2</b>	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**  
PCM

**SOURCE:**  
St. Cyrille

**LOCATION:**  
Canada

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85**

**AGGREGATE SIZE:**

<b>Bulk Specific Gravity:</b>	2.796
<b>Specific Gravity (S.S.D.):</b>	2.827
<b>Apparent Specific Gravity:</b>	2.884
<b>Absorption:</b>	1.09

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104**

**SIEVE SIZE:                      % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

**Percentage Passing #  
200 sieve**

**(based on 3/8" nominal material)**

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

Cardi Corp.

**SOURCE:**

New London Turnpike

**LOCATION:**

Coventry, RI

**Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4	3/8
2"	100.0	100.0
1 1/2"	100.0	100.0
1"	100.0	100.0
3/4"	96.3	100.0
1/2"	35.5	99.8
3/8"	10.7	92.2
#4	2.1	19.7
#8	1.5	3.6

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	92.48
1/2"	
3/8"	91.71

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	38.27
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

Cardi Corp.

**SOURCE:**

New London Turnpike

**LOCATION:**

Coventry, RI

**Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.615	2.610
Specific Gravity (S.S.D.):	2.631	2.631
Apparent Specific Gravity:	2.655	2.666
Absorption:	0.57	0.80

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE:                      % LOSS**

2" - 1 1/2"	
1 1/2" - 1"	
1" - 3/4"	
3/4" - 1/2"	
1/2" - 3/8"	3.88
3/8" - # 4	
# 4 - # 8	

**Amount of Material Finer  
than # 200 Sieve in  
Aggregate AASHTO T-11**

Percentage Passing #  
200 sieve  
(based on 3/8" nominal material)

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

Kobyluck Construction Co.

**SOURCE:**

Salem, Connecticut

**LOCATION:****Sieve Analysis of Fine and  
Coarse Aggregate AASHTO T-27****Nominal Aggregate Size**

% Passing	3/4
2"	100.0
1 1/2"	100.0
1"	100.0
3/4"	97.0
1/2"	66.0
3/8"	47.5
#4	8.4
#8	3.0

**Unit Weight and Void  
in Aggregate AASHTO T-19****UNIT WEIGHT  
(lbs./cu. ft.)**

1 1/2"	
1"	
3/4"	92.21
1/2"	
3/8"	

**Resistance to Abrasion of Small  
Size Coarse Aggregate by use of  
the Los Angeles Machine AASHTO T-96****LA TYPE      LA RESULT**

Run # 1	B	28.51
Run # 2	B	

## COARSE AGGREGATE RESULTS - 2007

**VENDOR:**

Kobyluck Construction Co.

**SOURCE:**

Salem, Connecticut

**LOCATION:****Specific Gravity and Absorption  
of Coarse Aggregate AASHTO T-85****AGGREGATE SIZE:**

Bulk Specific Gravity:	2.615
Specific Gravity (S.S.D.):	2.629
Apparent Specific Gravity:	2.654
Absorption:	0.56

**Soundness of Aggregate by Use of  
Sodium Sulfate AASHTO T-104****SIEVE SIZE: % LOSS**

2" - 1 1/2"

1 1/2" - 1"

1" - 3/4"

3/4" - 1/2"

1/2" - 3/8"

3/8" - # 4

# 4 - # 8

**Amount of Material Finer  
than # 200 Sieve in**

Aggregate AASHTO T-11

**Percentage Passing #  
200 sieve**

(based on 3/8" nominal material)